# College Managmenet System

## Alvi H. A, Barate P. R, Siddhanath K. R, Prof. Suryawanshi A. P

Department Of Computer Engineering, H.S.B.P.V.T's GOI, Kashti, Maharashtra, India

## ABSTRACT

College Management System will work on college area network. Under this system it will include all the departments which comes a particular college. This system will also help the college Admin. Admin will able to get all the information regarding any faculty members on particular day and time. Admin panel will also able to edit the login display panel of teachers, staff members, students etc. Admin can add person, delete person, can give special permission. Admin can schedule classes, their lectures time. Teachers can get information of any students under their particular class. Teachers can also make query by using grade, percentage, can see list of students who comes under the category of attendance shortage and many more under this one proof. Student section will also include learning section, so that students can prepare for their exam.

*KEYWORDS: Java swing, mysql, xampp server*

**INTRODUCTION:**

This College Management System project developed using java swing programming language. The main aim of this project is to develop covers all the details of college i.e.; Student attendance details, Result details, Student-Teacher chat details, Marks details, Photo gallery, Course details etc. Admin is the Super user of this project. All the record stores in My SQL Database. The proposed software will also reduce the cumbersome paperwork, manual lab our as well as communication cost.

1. FFCS (Fully Flexible Credit System) of Vellore Institute of Technology Chennai Campus Student Login, 2019.

2. S. R. Bharamagoudar et al , "Web-Based Student Information Management System ,International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.

3. M. A. Norasiah and A. Norhayati. "Intelligent student information system". 4th International conference on telecommunication technology proceedings, Shah Alam, Malaysia, 0-7803-7773-7/03 2003 IEEE
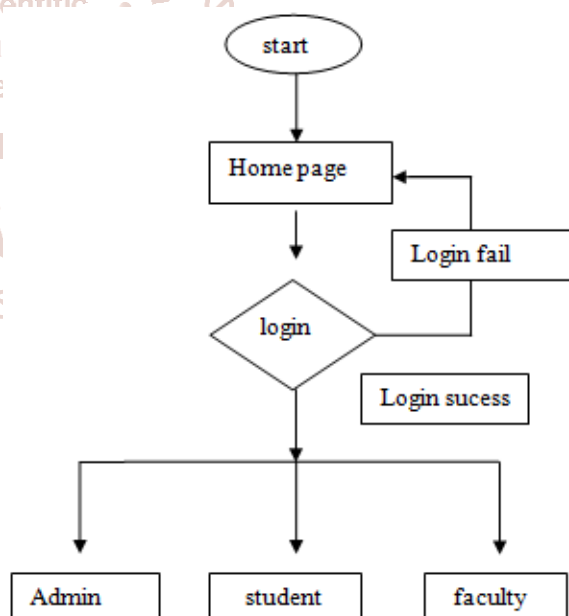


**Fig Data flow Dig.**

**Admin:-**

The Admin is responsible for entering the new student and managing the student Accounts. The Admin also manages the faulty accounts like entering a new faculty assigning the faculty to the subjects. The Admin also updates the college related information about events that occur in the college. The Admin also updates placement related information and manages E-Library. The Admin will check all the updates i.e. student updates faculty, updates, exam updates etc. The Admin has the highest level of power in the college management system.

**Faculty:-**

The staff can update the information regarding the students attendance, internal marks of the students and any information regarding the subjects they handle. They can also view the student details for better understanding the student performance and improving the efficiency of the student. The staff also gets the updates from the college regarding any events occurring in the college.

**STUDENT:-**

The student is of center focus, because in every college student plays the very important role. Student can access the information of the college, subject details, training and placement cell information and exam section information. The course details include information regarding branch he is studying, the academic curriculum of the college, year wise subject offered by the branch, the subject details include the syllabus of the subjects, information regarding the staff handling the subjects, the subjects he presently registered for the semester he is presently studying, attendance and internal marks of the subjects, he can also ask any queries to the staff regarding the subjects. The placement details include the information about the companies, the eligibility criteria for attending recruitment of the companies, the process of recruitment, the date and time of the recruitment. The placement section updates the student information who got selected for a company. The exam section details include the internal and external time table it also contains the semester end results.

**Pre-Requisites:-**

**1. Java Swing:-**

is a part of Java Foundation Classes (JFC) that is *used to create window-based applications*. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java.

Unlike AWT, Java Swing provides platform-independent and lightweight components. The javax. swing package provides classes for java swing API such as JButton, JTextField, JTextArea, JRadioButton, JCheckbox, JMenu, JColorChooser etc.

Swing is a graphical user interface (GUI) component kit, part of the Java Foundation Classes (JFC) integrated into Java 2 platform, Standard Edition (J2SE). Swing simplifies deployment of applications by providing a complete set of user-interface elements written entirely in the Java programming language. Swing components permit a customizable look and feel without relying on any specific windowing system. Because Swing is incorporated in the Java 2 platform, there is no need to download or install it.

**2. Mysql db:-**

MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. This tutorial will give you a quick start to MySQL and make you comfortable with MySQL programming. Before you start doing practice with various types of examples given in this tutorial, it is being assumed that you are already aware about what a database is, especially an RDBMS and what is a computer programming language.

**LIMITATIONS:-**

These types of CMS are already available in our markets, but it does not have the feature that we are providing to our college.

Many of the companies are improving this project on the platform .NET. that seems to be complicated and to use

The main functionality such as ENTERING AND RETRIVING of the attendance in the CMS will not be provided by the companies who had developed th is project earlier.

We are going to introduce our project on a special platform JAVA which is very user friendly.

Here we will provide the high permissions to the Admin so he can handle the complete college for better security and maintenance.

There will be different permissions to the admin and faculty.

**RESULTS:-**

Login Form : The system starts with a login page where the registered user can enter username and password to be able to access . Fig. 2 shows login form which includes registration.



**Conclusion:-**

This paper assists in modifying the existing system to site based system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower required. It provides accurate information always. Malpractice can be reduced .All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management. So it is better to have a Web Based Information Management system. All the stakeholders, faculty and management can get the required information without delay. This system is essential in the colleges/hostels and universities.

**REFERENCE:-**

[1] S. R. Bharamagoudar et al , "Web-Based Student Information Management System ,International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.

[2] Zhi-gang YUE,You-we JIN, "The development and design of the student management system based on the network environment",2010 International Conference on Multimedia Communications,978-0-7695-4136-5/10 2010 IEEE.

[3] R. B. Guin, S. Chakrabarti, C. Tarafdar, and S. Mandal, "A smart architectural concept for the making of a university education system using cloud computing paradigm," in Proc. 2011 World Congress on Information and Communication Technologies, Mumbai, 2011, pp.48-52.

[4] R. M. Leod, Management Information Systems, Third Ed., Science Research Associates, 1986, pp. 17-19.

[5] L. Long, Management Information System, Prentice Hall, 1989, pp.116-117